# NewDocket No.: 14113-00017-US

Old Docket No.: 09931-00034-US

#### **AMENDMENTS TO THE CLAIMS**

(Original) A compound comprising at least one structure unit of the formula (I), 1.

Formula (I)

characterized in that the group G is hydrogen, fluorine and/or an organic radical, the compounds belong to the idealized point group S<sub>n</sub>, C<sub>n</sub>, C<sub>nv</sub>, C<sub>nh</sub>, D<sub>n</sub>, D<sub>nh</sub> or D<sub>nd</sub> with n=2, 3, 4, 5 or 6, the molar masses are in the range from 450 g/mol to 5000 g/mol and the melting points are above a temperature of 190°C, with the proviso that they do not contain a macrocycle.

(Currently amended) The compound as claimed in claim 1 having the formula (II) or 2. (III),

Formula (II)

Formula (III)

where the symbols and indices have the following meanings:

the radicals R are identical on each occurrence and are each H, F, CN, a straight-chain or branched or cyclic alkyl or alkoxy group having from 1 to 20 carbon atoms, where one or more nonadjacent CH<sub>2</sub> groups may be replaced by -O-, -S-, -NR<sup>1</sup> or -CONR<sup>2</sup>- and one ore more or more H atoms may be replaced by F;

the radicals Ar are identical or different on each occurrence and are each an aryl or heteroaryl group which has from 3 to 30 carbon atoms and may be substituted by one or more nonaromatic radicals R; where a plurality of substituents R, both on the same ring and on the two different rings, may in turn together form a further monocyclic or polycyclic ring system;

 $R^1$ , and  $R^2$  are identical or different and are each H or an aliphatic or aromatic hydrocarbon radical having from 1 to 20 carbon atoms; n is from 1 to 10.

## 3. (Currently amended) The compound as claimed in claim 1 having the formula (IV),

$$(Ar)_n \xrightarrow{R} (Ar)_m \xrightarrow{R} (Ar)_n$$

Formula (IV)

where the symbols and indices have the following meanings:

the radicals R are identical on each occurrence and are each H, F, CN, a straight-chain or branched or cyclic alkyl or alkoxy group having from 1 to 20 carbon atoms, where one or

more nonadjacent CH<sub>2</sub> groups may be replaced by -O-, -S-, -NR<sup>1</sup> or -CONR<sup>2</sup>- and one or more H atoms may be replaced by F;

the radicals Ar are identical or different on each occurrence and are each an aryl or heteroaryl group which has from 3 to 30 carbon atoms and may be substituted by one or more nonaromatic radicals R; where a plurality of substituents R, both on the same ring and on the two different rings, may in turn together form a further monocyclic or polycyclic ring system;

R<sup>1</sup>, and R<sup>2</sup> are identical or different and are each H or an aliphatic or aromatic hydrocarbon radical having from 1 to 20 carbon atoms;

#### M is from 0 to m is from 0 to 4;

n is from 1 to 10.

4. (Previously presented) The compound as claimed in claim 1 having the formula (V) or (VI),

$$(Ar)_{p} \longrightarrow (Ar)_{n} \longrightarrow (Ar)_{n} \longrightarrow (Ar)_{n} \longrightarrow (Ar)_{n} \longrightarrow (Ar)_{p} \longrightarrow (Ar)_{p}$$

Formula (V)

Formula (VI)

where the symbols and indices have the following meanings:

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the radicals R are identical on each occurrence and are each H, F, CN, a straight-chain or

branched or cyclic alkyl or alkoxy group having from 1 to 20 carbon atoms, where one or

more nonadjacent CH2 groups may be replaced by -O-, -S-, -NR1 or -CONR2- and one or

more H atoms may be replaced by F;

the radicals Ar are identical or different on each occurrence and are each an aryl or

heteroaryl group which has from 3 to 30 carbon atoms and may be substituted by one or

more nonaromatic radicals R; where a plurality of substituents R, both on the same ring

and on the two different rings, may in turn together form a further monocyclic or

polycyclic ring system;

R<sup>1</sup>, and R<sup>2</sup> are identical or different and are each H or an aliphatic or aromatic

hydrocarbon radical having from 1 to 20 carbon atoms;

n is from 1 to 10;

o is from 1 to 3;

p is from 1 to 3.

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### 5. (Original) The compound as claimed in claim 1 having the formula (VII) or (VIII),

$$(Ar)_{o} R$$

$$(Ar)_{p}$$

$$(Ar)_{p}$$

$$(Ar)_{p}$$

$$(Ar)_{p}$$

$$(Ar)_{p}$$

$$(Ar)_{p}$$

Formula (VII)

Formula (VIII)

where the symbols and indices have the following meanings:

the radicals X are identical or different on each occurrence and are each C(Ar), CR or N; the radicals R are identical on each occurrence and are each H, F, CN, a straight-chain or branched or cyclic alkyl or alkoxy group having from 1 to 20 carbon atoms, where one or more nonadjacent CH<sub>2</sub> groups may be replaced by -O-, -S-, -NR<sup>1</sup> or -CONR<sup>2</sup>- and one or more H atoms may be replaced by F;

the radicals Ar are identical or different on each occurrence and are each an aryl or heteroaryl group which has from 3 to 30 carbon atoms and may be substituted by one or more nonaromatic radicals R; where a plurality of substituents R, both on the same ring and on the two different rings, may in turn together form a further monocyclic or polycyclic ring system;

R<sup>1</sup>, R<sup>2</sup> are identical or different and are each H or an aliphatic or aromatic hydrocarbon radical having from 1 to 20 carbon atoms;

o is from 1 to 3;

p is from 1 to 3.

6. (Currently amended) The compound as claimed in claim 1 A compound having the formula (IX), (X), or (XI),

$$(Ar)_{n} \longrightarrow \begin{pmatrix} Ar)_{n} & Ar \end{pmatrix}_{n} (Ar)_{n} & Ar \end{pmatrix}_{N} (Ar)_{n} \longrightarrow \begin{pmatrix} Ar)_{n} & Ar \end{pmatrix}_{n} (Ar)_{n} \times \begin{pmatrix} Ar)_{n} & Ar \end{pmatrix}_{n} (Ar)_{n}$$

Formula (IX)

Formula (X)

Formula (XI)

where the symbols and indices have the following meanings:

the radicals X are identical or different on each occurrence and area each C(Ar), CR, or N;

the radicals R are identical on each occurrence and are each H, F, CN, a straight-chain or branched or cyclic alkyl or alkoxy group having from 1 to 20 carbon atoms, where one or more nonadjacent CH<sub>2</sub> groups may be replaced by -O-, -S-, -NR<sup>1</sup> or -CONR<sup>2</sup>- and one or more H atoms may be replaced by F;

the radicals Ar are identical or different on each occurrence and area each an aryl or heteroaryl group which has from 3 to 30 carbon atoms and may be substituted by one or more nonaromatic radicals R; where a plurality of substituents R, both on the same ring and on the other two rings, may in turn together form a further monocyclic or polycyclic ring system;

R<sup>1</sup>, and R<sup>2</sup> are identical or different and area each H or an aliphatic or aromatic

hydrocarbon radical having from 1 to 20 carbon atoms;

#### m is from 0 to m is from 0 to 4;

n is from 1 to 10; o is from 1 to 3;

p is from 1 to 3

and the molar masses are in the range from 450 g/mol to 5000 g/mol and the melting points are above a temperature of 190°C, with the proviso that they do not contain a macrocycle.

7. (Previously presented) The compound as claimed in claim 1, characterized in that the radical Ar is benzene, toluene, xylene, fluorobenzene, difluorobenzene, biphenyl, 1,2- or 1,3- or 1,4-terphenyl, tetraphenyl, naphthyl, fluorine, 9,9'-spirobifluorene, phenanthrene, anthracene, 1,3,5-triphenylbenzene, pyrene, perylene, chrysene, triptycene, [2.2]paracyclophane, pyridine, pyridazine, 4,5-benzopyridazine, pyrimidine, pyrazine, 1,3,5-triazine, pyrrole, indole, 1,2,5- or 1,3,4-oxadiazole, 2,2'- or 4,4'-bipyridyl, quinoline, carbazole, 5,10H-dihydrophenazine, 10H-phenoxazine, phenothiazine, xanthene, 9-acridine, furan, benzofuran, thiophene or benzothiophene.

#### 8-10. (Cancelled)

- 11. (Previously presented) An electronic component comprising at least one compound as claimed in claim 1.
- 12. (Previously presented) The compound as claimed in claim 2, wherein n is from 1 to 6.

- 13. (Previously presented) The compound as claimed in claim 2, wherein n is from 1, 2 or 3.
- 14. (Currently amended) The compound as claimed in claim 3, wherein M is from 1 or 2 m

  is from 1 or 2 and

  n is from 1, 2, or 3.
- 15. (Previously presented) The compound as claimed in claim 4, wherein n is from 1, 2 or 3; o is 1; and p is 1.
- 16. (Previously presented) The compound as claimed in claim 6, wherein m is from 1 or 2; n is from 1, 2 or 3.
- 17. (Previously presented) The compound as claimed in claim 16, characterized in that the radical Ar is benzene, toluene, xylene, fluorobenzene, difluorobenzene, biphenyl, 1,2- or 1,3- or 1,4-terphenyl, tetraphenyl, naphthyl, fluorine, 9,9'-spirobifluorene, phenanthrene, anthracene, 1,3,5-triphenylbenzene, pyrene, perylene, chrysene, triptycene, [2.2]paracyclophane, pyridine, pyridazine, 4,5-benzopyridazine, pyrimidine, pyrazine, 1,3,5-triazine, pyrrole, indole, 1,2,5- or 1,3,4-oxadiazole, 2,2'- or 4,4'-bipyridyl, quinoline, carbazole, 5,10H-dihydrophenazine, 10H-phenoxazine, phenothiazine, xanthene, 9-acridine, furan, benzofuran, thiophene or benzothiophene.
- 18. (Previously presented) An organic electroluminescence and/or electrophosphorescence devices which comprises the compound as claimed in claim 1.

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19. (Previously presented) An emission layer (EML), a host material in electroluminescence and/or electrophosphorescence devices, as electron transport layers (ETLs) and/or hole-blocking layers (HBLs) which comprises the compound as claimed in claim 1.

- 20. (Previously presented) An electron transport material in electrophotography, electron acceptor material or electron transport material in photovoltaic devices which comprises the compound as claimed in claim 1.
- 21. (Previously presented) An organic photodetector, organic solar cells, a transport material in organic ICs (organic integrated circuits), a transport material and/or dopant in organic field effect transistors (OTFTs), a transport material and/or dopant in organic thin-film transistors or an organic solid-state lasers which comprises the compound as claimed in claim 1.